

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/32309

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L12/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 5 793 976 A (CHEN THOMAS M ET AL) 11 August 1998 (1998-08-11)</p> <p>abstract figures 1,2 column 4, line 40 -column 5, line 25 column 7, line 5 -column 7, line 16 column 7, line 50 -column 9, line 14 claim 1</p> <p>----</p> <p>-/-</p>	1,2,4,5, 9,10, 15-18, 20,36, 37,39



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

9 September 2002

16/09/2002

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 0 942 560 A (SIEMENS INF & COMM NETWORKS) 15 September 1999 (1999-09-15) abstract column 3, line 9 -column 4, line 40 column 5, line 30 -column 6, line 34 column 9, line 9 -column 9, line 45 claims 1,2 ----	1,2,4,5, 9,10, 15-18, 20,36, 37,39
A	US 5 563 875 A (HUYNH LAP T ET AL) 8 October 1996 (1996-10-08) the whole document ----	1-49
A	EP 0 788 267 A (SUN MICROSYSTEMS INC) 6 August 1997 (1997-08-06) the whole document ----	1-49
A	EP 0 528 075 A (ALCATEL NV ;BELL TELEPHONE MFG (BE)) 24 February 1993 (1993-02-24) the whole document ----	1-49
A	US 5 668 800 A (STEVENSON JOHN GEORGE) 16 September 1997 (1997-09-16) the whole document -----	1-49

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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